

Middle School Initiative**PART I
COVER SHEET****CAP 2 SEMESTER 1 WEEK 18**

COURSE: Rickenbacker Aerospace Education, Achievement 4

LESSON TITLE: Moisture and Clouds

LENGTH OF LESSON: 50 Minutes

METHOD: Lecture - Performance

REFERENCE(S):

1. *Aerospace Dimensions*, Module 3, Chapter 3, 2000
2. Study Guide, 2000
3. Leader Guide, 2000
4. Resource Guide, 2000

AUDIO/VISUAL AIDS/HANDOUTS/ACTIVITY MATERIAL(S): As Needed

COGNITIVE OBJECTIVE: To learn what a cloud is and how it is formed.

COGNITIVE SAMPLES OF BEHAVIOR: Upon completion of this chapter, the cadet should be able to:

1. Describe the condensation process.
2. Describe how saturation occurs.
3. Define dew point.
4. Define what precipitation is and give some examples.
5. Define fog.
6. Define turbulence.

AFFECTIVE OBJECTIVE: N/A

AFFECTIVE SAMPLES OF BEHAVIOR: N/A

Middle School Initiative**PART II
TEACHING PLAN****Introduction**

ATTENTION: Today, you will continue your Aerospace Education studies in *Aerospace Dimensions*, Module 3 with Chapter 3 - Moisture and Clouds.

MOTIVATION: What is a cloud? How is it different from fog? What is a dew point? How does all this affect our lives? Today, we will learn the answers to these questions and more.

OVERVIEW: During this period, you will continue your aerospace studies with Moisture and Clouds.

Body

NOTE: The instructor should use the lesson plan in the Leader Guide, Pages 15-17. The cadets should use the Study Guide, Page 19. A materials list is located in the Resource Guide, Page 48.

Conclusion

SUMMARY: We have studied the material in *Aerospace Dimensions*, Module 3, Chapter 3.

REMOTIVATION: Now you understand how moisture and clouds affects life on Earth.

CLOSURE: Next week, we will continue our AE studies with Module 3, Chapter 4 - Weather Systems and Changes. **Any questions? See you next week!**

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**PART III
LESSON REVIEW**

LESSON OBJECTIVE(S): Today, we learned how to:

1. Describe the condensation process.
2. Describe how saturation occurs.
3. Define dew point.
4. Define what precipitation is and give some examples.
5. Define fog.
6. Define turbulence.

LESSON QUESTIONS: Contained in *Aerospace Dimensions*, Module 3, Chapter 3.